



CALIFORNIA SCIENCE & ENGINEERING FAIR 2019 PROJECT SUMMARY

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Project Title Sensored White Cane	
<p style="text-align: center;">Abstract</p> <p>Objectives Our goal is to help the visually impaired feel safer when using our cane rather than a regular white cane.</p> <p>Methods Wood dowel, paint, tape, glue gun, hot glue, breadboard, charger, portable charger, 3 sonar sensors, wires, solder, and a soldering gun.</p> <p>Results Several trials were tested to make sure our cane worked better than the regular white cane. We had our friends put blindfolds on and test out the white cane in a maze. The sensed white cane had improved the time that they finished the maze. In conclusion, the sensed white cane helps the user feel safer and move quicker while walking.</p> <p>Conclusions After many trials, we had found that the sensed white cane was much more accurate and easy to use. The cane was much more accurate than the regular white cane. The cane vibrates when you get close to something. In conclusion, the sensed white cane helps the user feel safer while walking.</p>	
Summary Statement The Sensored White Cane was created to help assist visually impaired people feel safer while walking.	
Help Received None, we created and experimented our project be ourselves.	